


Presented by  
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**BIOMETRICS AND THE COMMON ACCESS CARD (CAC)**

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## **Purpose**


**To provide an overview of DoD's Common Access Card (CAC) and strategy to demonstrate the viability of biometrics uses with or on the CAC.**


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**To provide an introduction to the CAC-Biometrics Working Group (CAC-BWG).**

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**Highlight issues of using biometrics with the CAC.**


**Positive Identification** 



## **Agenda**


- **Overview of the Common Access Card (CAC)**
- **Rational for biometrics on or with the CAC**
- **Overview of the CAC-Biometrics Working Group (CAC-BWG):**
  - **Strategy**
  - **DoD Teams**
  - **Technology Demonstrators**

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## The Common Access Card (CAC)

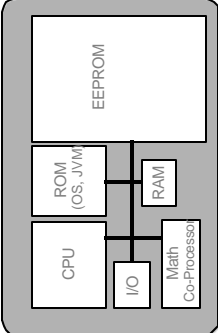
Front



Back





Inside



Five Core Areas that make up the CAC


- Printed Data - Visually seen on front and back of card
- Code 39 Bar Code (on back) 1D bar Code
- PDF 417 Bar Code (on Front) 2D bar Code
- Mag Stripe (on Back) (On the smart card)
- Integrated Circuit Chip (ICC) (The smart card)


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## Smart Card Decision

- Dr. Hamre/Defense Management Council (DMC) decision on 24 Sep 1999 to adopt DoD Smart Card
- DEPSECDEF Memo, Subject: Smart Card Adoption and Implementation (dated 10 Nov 1999)
- DoD Common Access Card (CAC)
  - Provide physical and logical access
  - Military and civilian ID card
  - Platform for PKI hardware token (Class 3 maybe Class 4)
- Include multiple media (mag stripe, chip, bar code)




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## **Who Receives a DoD CAC?**


- **Active duty military**
- **Select Reservists**
- **DoD civilian employees**
- **Eligible DoD contractors**

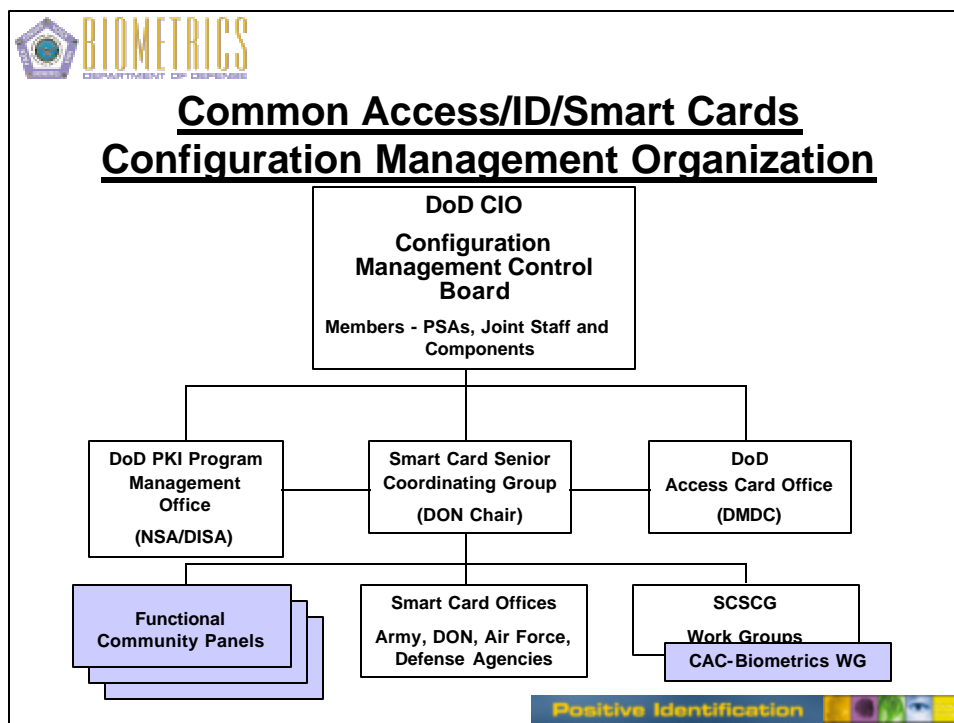
**(Approximately 4 million people)**



## **DoD CAC Vision**

- **Commitment to innovation**
  - **Reform Business Processes**
  - **Exploit Technology**
  - **Achieve Efficiency**
- **Improved support of our warfighters**
- **Mission enhancement**
- **Readiness improvements**
- **Quality of life improvements**
- **Enhanced information assurance**






## Rational for Biometrics on/with the CAC

- PIN Memory problems
  - ✓ Infrequent users
  - ✓ 6 to 8 digits
- 3 tries and card locks
- Unlocking revisiting issuance site
- Four million cards!
- Future applications
- Three factor authentication


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## **CAC-BWG Objectives:**

(SCSCG Memorandum Aug 2001)

- (1) “to coordinate and analyze requirements for the CAC-Biometrics,”
- (2) “seek commonality in applications and interoperability”
- (3) “assist CINCs, Services, Agencies and Functional Community Panels in the areas of biometrics use and integration with the CAC”
- (4) “evaluate biometrics alternatives”
- (5) “develop and recommend enterprise solution for biometrics with the CAC for approval of the SCSCG”
- (6) “make recommendations to the SCSCG concerning CAC related  
(6.a) biometrics hardware, software  
(6.b) policy, and legal issues.”

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## **CAC-BWG Teams:**

- **Requirements** - Survey Functional Community Panels and users to coordinate and analyze requirements.
- **Technology** - Identify and demonstrate technology alternatives and solutions for migration of the CAC to include Biometrics.
- **Standards** - Draft potential standards for integration of Biometrics with the CAC.
- **Testing** - Test and evaluate technology demonstrators. Coordinate demonstrators interactions with testing communities.
- **Architecture** – Develop and recommend the enterprise wide architecture.
- **Kiosk** – Near term approach to use biometrics to reset PIN or unlock CAC
- **Policy** – coordinate with Biometrics Policy Group on policy and legal issues.

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